

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 380  | 53/403   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/08 16:34 |
| S2    | 141  | 53/408   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/01 11:21 |
| S3    | 908  | 53/432   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/01 12:01 |
| S4    | 645  | 239/567  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/01 12:01 |
| S5    | 794  | 239/589  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/01 12:53 |
| S6    | 26   | ("1169689"   "1938973"  <br>"2771320"   "3598315").PN. OR<br>("3753352").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/08/01 12:34 |
| S7    | 167  | 61/10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/01 12:53 |
| S8    | 46   | ("2778171"   "3516223"  <br>"3688463"   "3699742"   "3928938"<br>  "3965646"   "4164111"  <br>"4330975"   "4372096"   "4541224"<br>  "4545177"   "4561925"  <br>"4578928"   "4581764").PN. OR<br>("4941310").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/08/01 13:22 |
| S9    | 1817 | 138/109  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/02 13:10 |

## EAST Search History

|     |         |  |                              |    |     |                  |
|-----|---------|--|------------------------------|----|-----|------------------|
| S10 | 18      | ("3720428"   "3925132"   "4134431"   "4205707"   "4268047"   "4330811"   "4647080"   "4796669"   "5148835"   "5167258"   "5316352"   "5458155"   "5499660"   "5662360"   "5785092"   "5799705"   "6176523"   "6179945").PN. OR ("6920900").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:44 |
| S11 | 27707   | frangible  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:44 |
| S12 | 475688  | conduit  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:44 |
| S13 | 1194    | S11 same S12   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:47 |
| S14 | 36      | S13 and "239"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:45 |
| S15 | 909646  | peripheral   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:47 |
| S16 | 519658  | break  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:47 |
| S17 | 4060953 | line   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:47 |
| S18 | 7788    | S15 and S16 and S17 and S12  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:48 |
| S19 | 281     | S18 and "239"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:52 |
| S20 | 244825  | perforated   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:52 |
| S21 | 693041  | pipe   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:52 |
| S22 | 475688  | conduit  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:52 |
| S23 | 831610  | adjust   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/02 13:52 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S24 | 2704   | S23 and S22 and S21 and S20  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:53 |
| S25 | 1795   | S24 and fluid  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:53 |
| S26 | 25     | S25 and "138"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:56 |
| S27 | 693044 | seratted pipe  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:56 |
| S28 | 345714 | S27 and outer  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:56 |
| S29 | 94374  | S28 and periphery  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:56 |
| S30 | 3289   | S29 and "239"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/02 13:57 |
| S31 | 5      | "5143408"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/14 12:27 |
| S32 | 19     | ("1258884"   "1722676"  <br>"2419453"   "2449265"   "3169562"<br>  "3759445"   "3887221"  <br>"3995888"   "4563847"   "4763695"<br>  "5036636").PN. OR ("5143408").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/08/14 12:32 |
| S33 | 642    | 53/434.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/08 16:34 |